



*Ted Wynne Engineering/Contractor, Inc.*

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August 12, 1999

Ms. Sharon Jordan  
Tennessee Valley Authority  
P.O. Box 1010  
Muscle Shoals, Alabama 35662-1010

Re: Waynesboro Elementary School  
Waynesboro, Tennessee

This office performed a test on a 200 feet deep, 6 inch diameter vertical bore, backfilled with drilled tailings, August 9, 1999. The following data was derived from test data:

Thermal Conductivity	1.40 BTU/HR-F
Ground Temperature	61.5 F

We feel that based on our observation of the terrain, the above is representative of the area where field bores will be located for this project.

The driller's log is attached for your information.

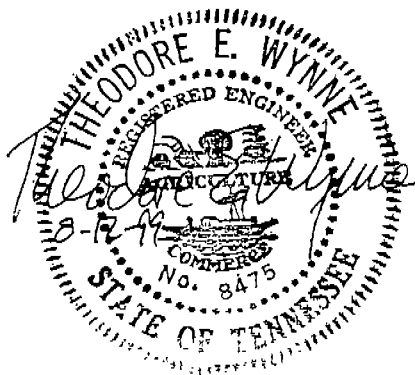
Please let us know if any additional information is needed.

Sincerely,

TED WYNNE ENGINEERING CONTRACTORS, INC.

*Ted Wynne*  
Ted Wynne, P.E.

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*Kay Allen*

# Directions to Waynesboro Elementary School site:

Take Hwy. 64 from Lawrenceburg to Waynesboro (or any way that you can find to get there!). Go South on Hwy. 13, a quarter mile or so.....there will be an A-frame looking church (Calvary Baptist) on the right. Turn left in front of the church. This will be Helton Street. Turn left on the next street to your left. This will be Lloyd Street. There will be a playground on the right. One of the test bores is directly behind the playground.

The other test bore is located a little further down the road. If you pass the playground and the little white house, there will be a field on the right that's surrounded by trees on three sides. The bore hole is in the northeast corner of that field.

The drill log is as follows:

## ✓ Hole behind playground:

0-6'	Dirt
6-9'	Dirt/Rock - Broken gray limestone
9-11'	Gray limestone
11'	Little water
11-95'	Dark shale / gray limestone
95-120'	Water - 5 gpm
120-200'	Medium Blue/green limestone

## Hole in field:

0-5'	Dirt
5-60'	Dark gray limestone
60-116'	Medium gray limestone
116'	Water - less than 2 gpm
116-160'	Light/medium gray limestone
160-200'	Green/blue shale limestone